

MPGjbb:jv 11/13/01

Attorney Reference No. 2151-51823
Application No. 09/336,339
PATENT

A³

96. (Amended) A composite board product, comprising:
a core formed from a mixture of a filler material and a thermoplastic material; and
at least one surface-treated face layer attached to at least one major surface of the core, the at least one face layer being formed from a mixture of a filler material and a thermoplastic material.

A⁴

103. (Amended) A composite product, comprising:
a first portion comprising a first core formed from a mixture comprising a filler material and a thermoplastic material, and at least one face layer attached to at least one major planar surface of the first core, the at least one face layer being formed from a mixture of a filler material and a thermoplastic material; and
a second portion bonded to the first portion, the second portion comprising a second core formed from a mixture comprising a filler material and a thermoplastic material, and at least one face layer attached to at least one major planar surface of the second core, the at least one face layer being formed from a mixture of a filler material and a thermoplastic material.

A⁵

112. (Amended) A composite product, comprising:
a core formed from a mixture of a filler material and a thermoplastic material; and
at least one surface treated face layer attached to at least one major planar surface of the core, the at least one face layer being formed from a mixture of a filler material and a thermoplastic material, the surface layer having grafting chemicals coupled thereto.

A⁶

118. (Amended) A multi-layer composite product, comprising:
a preformed consolidated top layer comprising a filler material and a thermoplastic material;
a preformed consolidated bottom layer comprising a filler material and a thermoplastic material;
and
a non-consolidated core section between the top and bottom layer.

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Please add the following new claims:

--153. A composite product, comprising a filler material and a thermoplastic material, and wherein the product has at least one surface that is surface-modified.

154. The product of claim 153, wherein the surface of the product is flame treated.

155. The product of claim 153, wherein the surface of the product is e-beam treated.

156. The product of claim 153, wherein the product is e-beamed through its cross section.

157. The product of claim 153 further comprising grafting chemicals coupled to the surface of the product.

158. The product of claim 153 further comprising a core and at least one face layer, the face layer being surface-modified.

159. The product of claim 153, wherein the surface of the product is painted.

160. The product of claim 153, wherein the filler material is a cellulosic material.

161. The product of claim 153, wherein the surface of the product is treated by corona discharge.

162. A cellulosic and thermoplastic composite product, comprising:
a core; and
at least one surface-modified face layer coupled to the core.

163. The product of claim 162, wherein the face layer is flame treated.

164. The product of claim 162, wherein the face layer is e-beam treated.